

**JP 65000611 : Japanese encephalitis vaccine**  
**, Nippon Seibutsu KK , 1965**

Method for producing a refined and inactivated vaccine (I) of Japanese encephalitis which comprises purifying the virus present in an emulsion of tissue infected with Japanese encephalitis firstly by precipitating it with EtOH, and then removing unwanted proteins from the crude virus by using protamine. Refined virus is finally inactivated to give (I).

Alcohol pptn. pref. carried out at 15 deg.

Protamine pref. used in form of sulphate.

Inactivation pref. carried out with formalin.

Method is rapid, and leads to little loss of active material, and is suitable for the large-scale prepn. of (I). Method gives (I) almost free from extraneous proteins, thus reducing incidence of side-effects of vaccine (allergic myeloencephalitis and other (unspecified) side-effects).